

AMENDMENTS TO THE CLAIMS

Claims 1-13 (Canceled)

Claim 14 (New): A polyvinyl alcohol polymer polarization film made by using a polyvinyl alcohol polymer film produced by a method comprising:

- (a) washing a polyvinyl alcohol polymer,
- (b) preparing a polyvinyl alcohol polymer solution or a water-containing polyvinyl alcohol polymer from the washed polyvinyl alcohol polymer, and
- (c) forming a polyvinyl alcohol polymer film from the polyvinyl alcohol polymer solution or the water-containing polyvinyl alcohol polymer, wherein  
an amount of the polyvinyl alcohol polymer eluted when a 10 cm square of the polyvinyl alcohol polymer film is left in 1 liter of water at 50°C for 4 hours is from 1 to 100 ppm, and  
a content of an alkali metal compound in the polyvinyl alcohol polymer film is 0.5% by weight or less based on the polyvinyl alcohol polymer.

Claim 15 (New): The polyvinyl alcohol polymer polarization film according to Claim 14, wherein a plasticizer is added to the polyvinyl alcohol polymer.

Claim 16 (New): The polyvinyl alcohol polymer polarization film according to Claim 15, wherein the amount of the plasticizer is from 1 to 30 parts by weight based on 100 parts by weight of the polyvinyl alcohol polymer.

Claim 17 (New): The polyvinyl alcohol polymer polarization film according to Claim 15, wherein the plasticizer is selected from the group consisting of ethylene glycol, glycerin, propylene glycol, diethylene glycol, diglycerin, triethylene glycol, tetraethylene glycol, and trimethylolpropane.

Claim 18 (New): The polyvinyl alcohol polymer polarization film according to Claim 14, wherein the alkali metal compound is sodium acetate.

Claim 19 (New): The polyvinyl alcohol polymer polarization film according to Claim 14, wherein the polyvinyl alcohol polymer is washed with water of a temperature from 10°C to 90°C where a bath ratio by weight of water to the polyvinyl alcohol polymer is from 1 to 100.

Claim 20 (New): The polyvinyl alcohol polymer polarization film according to Claim 14, wherein the polyvinyl alcohol polymer solution or water-containing polyvinyl alcohol polymer is prepared at a temperature of 150°C or less from the washed polyvinyl alcohol polymer.

Claim 21 (New): The polyvinyl alcohol polymer polarization film according to Claim 14, wherein the polyvinyl alcohol polymer film is dried at a temperature of 150°C or less after the polyvinyl alcohol polymer film is formed by using the polyvinyl alcohol polymer solution or water-containing polyvinyl alcohol polymer.

Claim 22 (New): The polyvinyl alcohol polymer polarization film according to Claim 14, wherein the polyvinyl alcohol polymer is a polymer obtained by saponification of a vinyl ester homo-polymer or a copolymer of a vinyl ester and a monomer copolymerizable with the vinyl ester.

Claim 23 (New): The polyvinyl alcohol polymer polarization film according to Claim 14, wherein a solvent for preparing the polyvinyl alcohol polymer solution is water, dimethylsulfoxide or a mixture thereof.

Claim 24 (New): A method of producing a polyvinyl alcohol polymer polarization film comprising:

(1) producing a polyvinyl alcohol polymer film by steps comprising:

(a) washing a raw material polyvinyl alcohol polymer,

(b) preparing a polyvinyl alcohol polymer solution or a water-containing polyvinyl alcohol polymer from the washed polyvinyl alcohol polymer, and

(c) forming a polyvinyl alcohol polymer film from the polyvinyl alcohol polymer solution or the water-containing polyvinyl alcohol polymer, wherein

an amount of the polyvinyl alcohol polymer eluted when a 10 cm square of the polyvinyl alcohol polymer film is left in 1 liter of water at 50°C for 4 hours is from 1 to 100 ppm, and

a content of an alkali metal compound in the polyvinyl alcohol polymer film is 0.5% by weight or less based on the polyvinyl alcohol polymer; and

(2) dyeing, stretching and fixing the polyvinyl alcohol polymer film.

Claim 25 (New): A method of producing a polyvinyl alcohol polymer film for a polarization film comprising:

- (a) washing a raw material polyvinyl alcohol polymer,
- (b) preparing a polyvinyl alcohol polymer solution or a water-containing polyvinyl alcohol polymer from the washed polyvinyl alcohol polymer, and
- (c) forming a polyvinyl alcohol polymer film from the polyvinyl alcohol polymer solution or the water-containing polyvinyl alcohol polymer, wherein
  - an amount of the polyvinyl alcohol polymer eluted when a 10 cm square of the polyvinyl alcohol polymer film is left in 1 liter of water at 50°C for 4 hours is from 1 to 100 ppm, and
  - a content of an alkali metal compound in the polyvinyl alcohol polymer film is 0.5% by weight or less based on the polyvinyl alcohol polymer.